

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A distributed system having a client and a server, comprising:
a state manager interposed between the client and ~~the server~~ a service component, the
state manager having a capability to generate a list of a plurality of data attributes
required to represent a state of an application in the distributed system, request
the service component to obtain the plurality of data attributes on the list, and
cache the plurality of data attributes such that the plurality of data attributes so as
to be are locally accessible [[by]] to the client; and
[[a]] the service component interposed between the state manager and the server, the
service component having a capability to fetch the plurality of data attributes
from the server based on the list ~~of the plurality of data attributes~~.
2. (Currently Amended) The distributed system of claim 1, further comprising a transport
mechanism interposed between the state manager and the service component, the
transport mechanism having a capability to package the plurality of data attributes for
transport between the state manager and the service component.
3. (Currently Amended) The distributed system of claim 1, wherein the state manager
comprises means for learning the plurality of data attributes required to represent [[a]]
the state of the distributed system.
4. (Cancelled)
5. (Currently Amended) The distributed system of claim [[4]] 1, wherein the state manager
further comprises means for tracking changes made to the plurality of data attributes
cached in [[the]] a proxy located in the state manager.
6. (Currently Amended) The distributed system of claim 5, wherein the state manager
further comprises means for generating a list of the plurality data attributes that have
changed in the proxy.

7. (Currently Amended) The distributed system of claim 6, wherein the service component comprises means for updating data using the list of the plurality of data attributes changed in the proxy.
8. (Original) The distributed system of claim 1, wherein the state manager further comprises means for generating an executable instruction comprising a set of method calls to be executed on the server.
9. (Original) The distributed system of claim 8, wherein the service component comprises means for interpreting the executable instruction.
10. (Cancelled)
11. (Currently Amended) A distributed performance optimizer for a distributed application, comprising:
a client portion operatively connected to a client that generates configured to generate a list of a plurality of data attributes ~~of remote data~~ required to represent a state of the distributed application, request the server portion to obtain the plurality of data attributes on the list, and cache[[s]] the plurality of attributes from the remote data; and
[[a]] the server portion operatively connected to a server that fetches configured to fetch the plurality of data attributes from the ~~remote data~~ server based on the list, wherein the client portion is interposed between the client and the server portion, and wherein the server portion is interposed between the client portion and the server.
12. (Currently Amended) The distributed performance optimizer of claim 11, further comprising a transport means that packages the plurality of data attributes for transport between the server portion and the client portion.
13. (Currently Amended) The distributed performance optimizer of claim 12, wherein the client portion comprises a plurality of proxies configured to cache the plurality of data attributes ~~for the remote data in the distributed application, the proxies having a capability to cache attributes from the remote data.~~

14. (Currently Amended) The distributed performance optimizer of claim 13, wherein the client portion further comprises means for tracking changes made to the plurality of data attributes cached in the proxies.
15. (Currently Amended) The distributed performance optimizer of claim 14, wherein the service component comprises means for synchronizing the plurality of data attributes cached in remote data ~~with~~ the proxies.
16. (Currently Amended) The distributed performance optimizer of claim 12, wherein the client portion further comprises means for collecting information about the plurality of data attributes accessed in the proxies.
17. (Original) The distributed performance optimizer of claim 12, wherein the client portion further comprises means for generating an executable instruction comprising a set of method calls to be executed on the server.
18. (Original) The distributed performance optimizer of claim 17, wherein the service portion comprises means for invoking the executable instruction.
19. - 37. (Canceled)
38. (Currently Amended) The distributed system of claim 3, wherein the state manager comprises means for prefetching the plurality of data attributed based on [[the]] learning which of data attributes are used to represent the state.